

USSR/Human and Animal Morphology - Normal and Pathological.

Pathological Anatomy

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Abs Jour

: Ref Zhur Biol., No 23, 1958, 106044

Author

: Zil'berberg, S.I., Cherkasskiy, L.A.

Inst Title

Morphological Changes of the Arteries and Voins of the

Brain in Hypertensive Disease

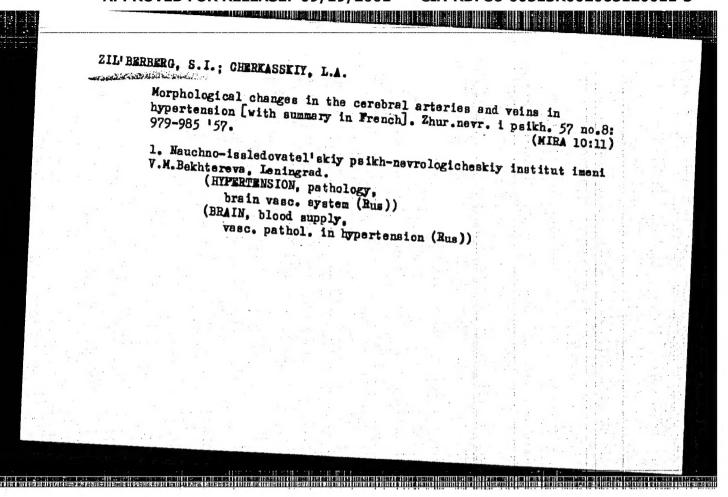
Orig Pub

: 8b. nevropatol. i psikhiatrii, 1957, 57, No 8, 979-985

Abstract

Dates of the microscopic examination of patients 41 to 74 years old, who died from hypertensive disease with a cerebral syndrome, are presented. It was determined that the lesions of the arteries and veins are essentially identical and manifest themselves in dystonia of the vessels, and diapedetic hemorrhages, protein infiltration of the wall of the blood vessels and formation of dissecting aneurysms. Functional and dynamic changes and sclerosis are more common in veins, while deposition

Card 1/2

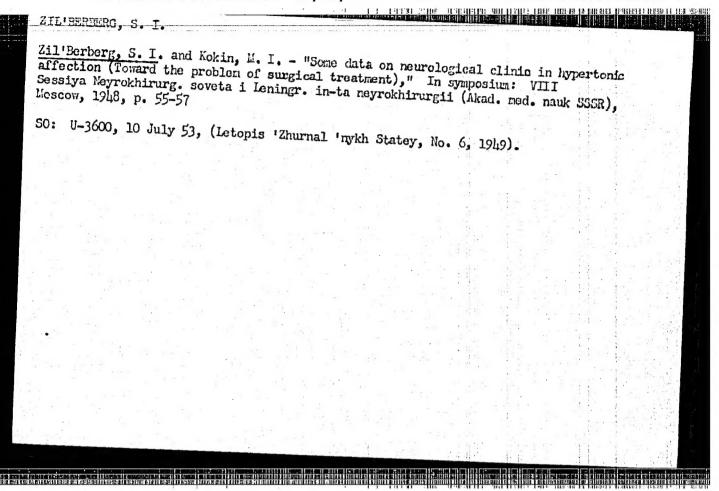


Zil'Berberg, S. I.

Zil'Berberg, S. I. - and Zhabotinskiy, Yu. E. - "Pathomorphology of the knots of the solarplexus, which have been romoved through operations in connection with hypertonic affection," In symposium: VII Jessiya Neyrokhirurg, soveta i Loningr.

In symposium: VII Jessiya Neyrokhirurg, soveta i Loningr.

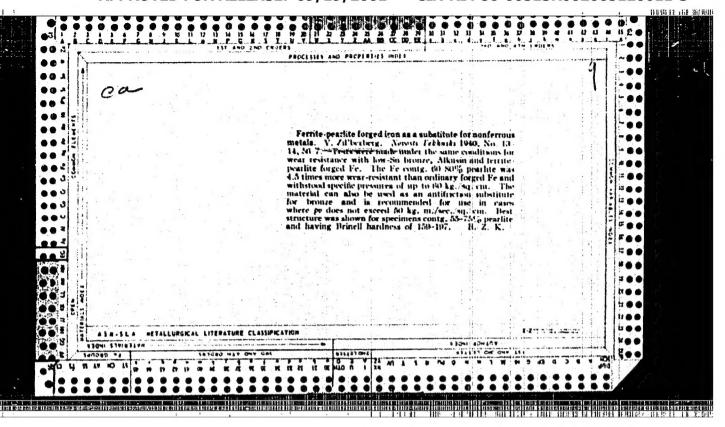
So: II-3600, 10 July 53, (Letopis 'Zhurnal 'nukh Statey, No. 6, 1949).



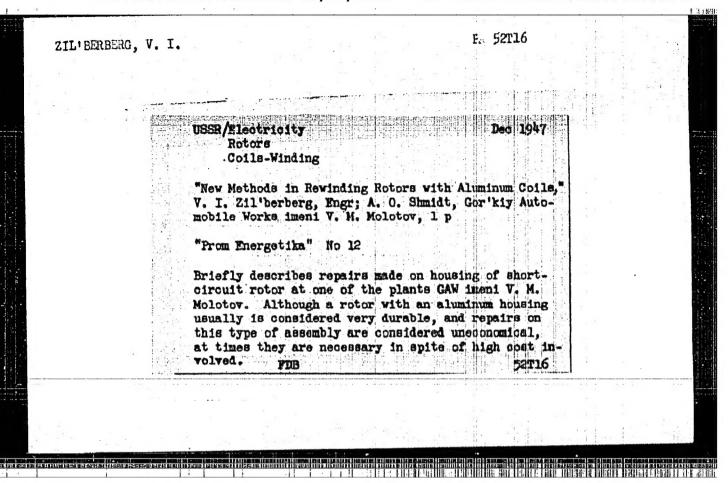
ZIL'BERBERG, S. I.

Zil'berberg, S. I. and Kokin, M. K. - "Jone data on neurological clinic during hypertonia, treated by surgical means," Trudy Leningr. gospitalya dlya lecheniya invalidov Otechestv. voyny, Leningrad, 1948, p. 295-305

SO: U-3950, 16 June 53,)Letopis, 'Zhurnal 'Nykh Statey, No. 5, 1949).



	Comprehensive improvement of intraplant transportation. Sots.					
	trud 7 no.9:47-51 S	162.	abrane of Sti	()	IRA 15:9)	
1 *	1. Zamestitel' glavnogo zavoda.	inzhenera	Gor'kovsko	go avtomobil	nogo	
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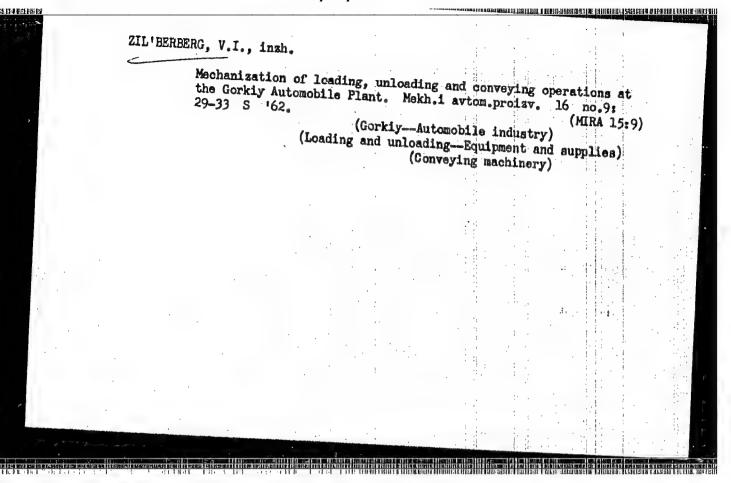


Eright outlook. Mashinostroitel' no.4:6-9 Ap '60.

(MIRA 13:6)

1. Zamestitel' glavnogo inshenera Gor'kovskogo avtozavoda.

(Gorkiy—Automobile industry)



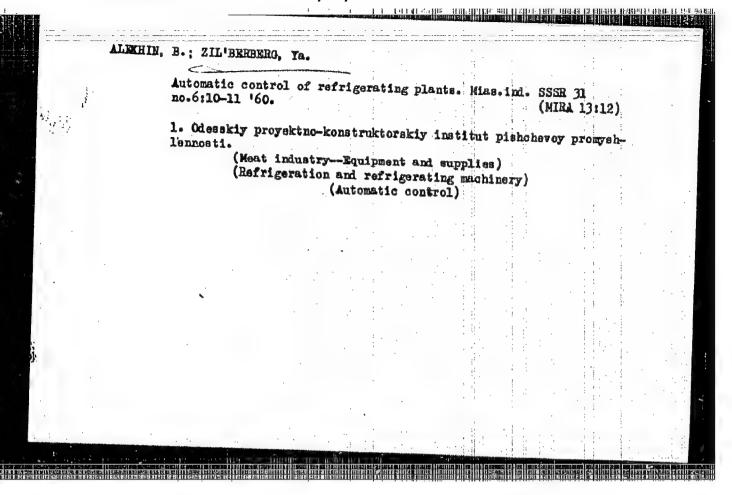
ZIL'BERBERG, V.I.; ROZNO, L.I.; GULYAYEV, A.I.; TSYRLIN, M.I.;

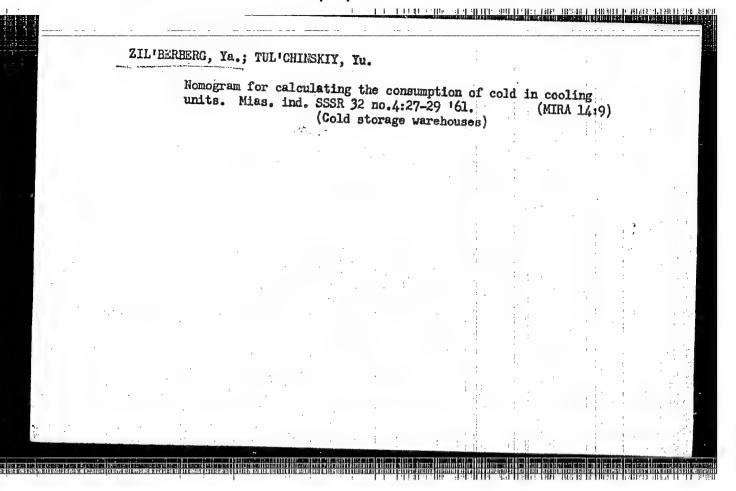
BOBKOV, L.S., inzh., retsenzent; MANUYKOV, P.N., inzh.,

red.

[Overall mechanization and automation of painting operations] Kompleksnaia mekhanizatsiia i sytomatizatsiia okrasochnykh rabot. Moskva, Mashinostroenie, 1965. 146 p.

(MIRA 18:6)





IRZH	EVSKIY, V.; ZIL'BEH	REERG, Ya.; KON	ЕУКО, А.				
	Properation of Mas.ind. SSSR	direct ammonia 34 no.1:35-39	cooling	systems fo	or an ove	r-all automat (MIRA 16:4)	ion
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GORRLIK, A.M., inzhener; OSIPYAN, A.V., kandidat tekhnicheskikh nauk; otvetstvennyy redaktor; ZIL BERBERG, Ya.G., inzhener; ERILING, N.R., doktor
tekhnicheskikh nauk, professor; KALISH, G.G., doktor tekhnicheskikh
nauk, professor; MEZIN, I.S., doktor tekhnicheskikh nauk; PEVZNER, Ya.M.,
doktor tekhnicheskikh nauk; KHRUSHCHEV, M.M., doktor tekhnicheskikh
nauk, professor; ERYZGOV, N.N., kandidat tekhnicheskikh nauk; KOZLOVSKIY,
I.S.; kandidat tekhnicheskikh nauk; INTKIN, I.I., kandidat tekhnicheskikh
nauk; RAMAYYA, K.S., kandidat tekhnicheskikh nauk; BUTYLKIN, A.G., tekhnicheskiy redaktor; MATVEYEVA, Ye.N.; tekhnicheskiy redaktor.

The effect of vertical forces on automobile wheels. Trudy NAMI no.65:1 (MLRA 8:11)

1. Direktor NAMI (for Osipyan)
(Automobiles--Wheels)

L'BERRENE VA

B. HERCHAR ERROWAR GLOB HIT BE REMARK COME CORPORATION OF THE CONTROL OF THE CONT

MINKIN,M.L., kandidat tekhnicheskikh nauk; TRAKTOVEHKO,I.A., kandidat tekhnicheskikh nauk; OSIPYAN,A.Y., kandidat tekhnicheskikh nauk; otvetstvennyy redaktor; ZIL'BERENG,Ya.G., innhener, nekretar' HRILING,N.R., doktor tekhnicheskikh nauk; KALISH,G.G., professor, doktor tekhnicheskikh nauk; PEVZHER,Ya.M., doktor tekhnicheskikh nauk; RAMAYYA,K.S., doktor tekhnicheskikh nauk; KHRUSHCHEV,M.M., professor, doktor tekhnicheskikh nauk; KOKLOVSKIY,I.S., kandidat tekhnicheskikh nauk; MATVEYEVA,Ye.H., tekhnicheskiy redaktor.

[An investigation of Soviet automobile radiators] Issledovanie otechestvennykh avtomobil'nykh radiatorov. Moskva, Gos. nauchnotekhn. izd-vo mashinostroit. lit-ry, 1954. 43 p. (Moscow. Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i avtomotornyi institut. [Trudy], no.74) (MLRA 8:9) (Automobiles--Radiators)

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ZIL'BERBERG, YA. G.

LAPINUS. V.I., kandidat tekhnicheskikh nauk; OSIPYAN, A.V., kandidat tekhnicheskikh nauk, otvetstvennyy redsktor; ZIL'EERBERG. Ya.G., inzhener, sekretar'; HRILING, N.R., doktor tekhnicheskikh nauk, professor; FEVZNER, Ya.M., doktor tekhnicheskikh nauk, professor; KHRUSHCHEV, M.M., doktor tekhnicheskikh nauk, professor; KALISH, G.G., doktor tekhnicheskikh nauk; professor; RAMAYYA, I.S., doktor tekhnicheskikh nauk; KOZIOVSKIY, I.S., kandidat tekhnicheskikh nauk; UVAROVA, A.F., tekhnicheskiy redsktor.

Experimental research on fluid flow in hydraulic torque converters. [Trudy] NAMI no.73:1-22 '54. (MIRA 8:2)

1. Direktor Nauchnogo avtomotornogo instituta (for Osipyan).
(Oil hydraulic machinery)(Automobiles--Transmission devices)

KULIKOV, N.K., kandidat tekhnicheskikh nauk; OSIPYAH,A.V., kandidat tekhnicheskikh nauk, redaktor; KOZLOVSKIY,I.S., kandidat tekhnicheskikh nauk, redaktor; ERILING,N.R., doktor tekhnicheskikh nauk, professor, redaktor; PEVIHER,Ya.M., doktor tekhnicheskikh nauk, professor, redaktor; PEVIHER,Ya.M., doktor tekhnicheskikh nauk, professor redaktor; KHRUSHCHEV,M.M., doktor tekhnicheskikh nauk, professor redaktor; RAMAYYA,K.S., doktor tekhnicheskikh nauk, redaktor; LIPGART,A.A., redaktor; PRYADILOV, V.I., kandidat tekhnicheskikh nauk, redaktor; CHISTOZVONOV,S.B., inzhener, redaktor; ZIL'HERHERG,Ya.G., inzhener, redaktor; UVAROVA,A.F., tekhnicheskiy redaktor.

Vedged freewheeling clutches. Trudy NAMI no.75:3-67 '54.

(MIRA 8:7)

1. Konstruktor Nauchno-issledovatel'skogo avtomotornogo instituta (for Lipgart)

(Clutches (Machinery))

ZIL BERBERG, Ya-G.

LEVENSTERN, O.L., kandidat tekhnicheskikh nauk; KHESTOVNIKOV, G.A., inzhener; OSIPTAN, A.V., kandidat tekhnicheskikh nauk, redakter; KOZIOVSKIY, I.S., kandidat tekhnicheskikh nauk, redakter; ZILILEBBERG, Ya.G., inzhener, redakter; BRILING, N.R., prefesser, dekter tekhnicheskikh nauk, redakter; KALISH, G.G., dekter tekhnicheskikh nauk, prefesser, redakter; RAMAYYA, K.S., dekter tekhnicheskikh nauk, redakter; LIPGART, A.A., professer, redakter; PRYADILOV, V.I., kandidat tekhnicheskikh nauk, redakter; ROZANOV, V.G., kandidat tekhnicheskikh nauk, redakter; CHISTOZYOROV, S.B., inzhener, redakter; SHTEYNGART, M.D., redakter; UVAROVA, A.F., tekhnicheskiy redakter.

[Heating of brake linings in passenger cars] Wagrev termesnykh nakladek legkevykh avtemebilei. Moskva, Ges.nauchne-tekh.isd-ve mashinestreit. lit-ry, 1955. 35 p. (Mescow. Gesudarstvennyi nauchne-issledevatel'skii avtemebil'nyl i avtemeternyi institut. Trudy, ne.78). (MIRA 9:7)

1. Direkter Nauchne-issledovatel skogo avtometornege instituta (fer Osipyan). 2. Zamestitel direktera Nauchne-issledovatel skogo avtometer-nege instituta (fer Koslevskiy). 3. Chlen-korrespondent AN SSSR (fer Briling). (Autemobiles--Brakes)

KULIKOV, N.K., dekter tekhnicheskikh nauk; OSIPYAN, A.V., kandidat tekhnicheskikh nauk, redaktor; KOZIOVSKIY, I.S., kandidat tekhnicheskikh nauk, redaktor; ZIL'BERBERG Ya.G., inzhener, redaktor; ERILING, N.R., doktor tekhnicheskikh skikh nauk, professor, redaktor; PHVZNER, Ya.M., doktor tekhnicheskikh nauk, professor, redaktor; KRUSHCHEV, M.M., doktor tekhnicheskikh nauk, professor, redaktor; RAMAYYA, K.S., doktor tekhnicheskikh nauk, professor, redaktor; LIPGART, A.A., professor, redaktor; PRYADILOV, V.I., kandidat tekhnicheskikh nauk, redaktor; ROZANOV, V.G., kandidat tekhnicheskikh nauk, redaktor; CHISTOZVONOV, S.B., inzhener, redaktor; TEGORKINA, I.I., redaktor; UVAROVA, A.F., tekhnicheskiy redaktor; EROKSH, V.V., inzhener.

[Performance: of automobile wheels] Rabota automobilinogo kolesa. (Moscow. Gosudarstvennyi nauchno-issledovateliskii automobilinyi i automotornyi institut. [Trudy] no.77) 1955 36 p. (MIRA 9:4)

1.Chlen-korrespondent AN SSSR (for Briling).
(Automobiles--Wheels)

ZIL BE Beil, YA.

RAMAYYA, K.S., doktor tekhnicheskikh nauk; SIL'S, R.Kh., inzhener;

BEN-YAKIR, R.D., inzhener; KOZLOVSKIY, I.S., kandidat tekhnicheskikh
nauk, zamestitel otvetsvtennogo redaktora; ZIL'BESBERG, Ya.G.,
inzhener, sekretar'; BRILING, N.R., professor, doktor tekhnicheskih
nauk; KALISH, G.G., professor, doktor tekhnicheskikh nauk; PEVZNER;
Ya.M., professor, doktor tekhnicheskikh nauk; KHRUSHCHEV, M.M.,
professor, doktor tekhnicheskikh nauk; LIPOART, A.A.; professor;
PRYADILOV, V.I., kandidat tekhnicheskikh nauk; ROZANOV, V.S., kandidat tekhnicheskikh nauk; CHISTOZVONOV, S.B., inzhener; BROKSH, V.V.,
savedyuyshchiy redaktsiyey, inzhener; UVAROVA, A.T., tekhnicheskiy
redaktor; OSIPYAN, A.F., kandidat tekhnicheskikh nauk, etvetstvennyy
redaktor.

[Method of determining the potential corrosion properties of lubricants] Metod opredelenia potentsial noi korrozionnosti masel. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry.1956 49 p. (Moscow. Gosudarstvennyi nauchno-issledovatel skii avtomobil nyi avtomotornyi institut. [Trudy], no. 80) (MIRA 10:1)

1. Direktor Nauchno-issledovatel skogo avtomotornogo instituta (for Osipyan). 2.Zamestitel direktora Nauchno-issledovatel kogo avtomotornogo instituta po nauchnoy rabote (for Kozlovskiy).3.Chlen-korrespondent Akademii nauk SSSR (for Briling).

(Lubrication and lubricants) (Corrosion and anticorrosives)

KISELEV, B.A., inzh.; EIPGART, A.A., otv.red.; PASHIW, M.A., red.; BORISOV, S.G., red.; BRISKIN, M.I., red.; BRYZGOV, N.N., red.; DYBOV, O.V., red.; ZIL'BERBERG, Ya.G., red.; LOZAR', A.S., red.; LUNEV, I.S., red.; NAGAYEV, P.V., red.; PEVZNER, Ya.M., red.; PRYADILOV, V.I., red.; RAMAYYA, K.S., red.; SAMOL', G.I., red.; SEDOVA, Ye.V., red.; TAMRUCHI, O.V., red.; CHAPKEVICH, V.A., red.; CHISTOZVONOV, S.B., red.; SHKOL'NIKOV, E.M., red.; SMIRNOVA, G.V., tekhn.red.

[Investigation of the operation and gas-exchange of a loop-scavenged two-cycle motor-vehicle diesel engine] Issledovanie rabochego protsessa i gasoobmena dyukhtaktnogo avtomobilnogo dizelia s petlevoi produvkoi. Moskva, Mashgiz, 1961, 193 p. (Moskow. Gosudarstvennyi-nauchno-issledovatel'skii avtomobil'nyi i avtomotornyi institut. Trudy, no.3d). (MIRA 16:8) (Motor vehicles—Engines)

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PRTHUSHOV, V.A., inzh.; PASHIN, M.A., red.; LIPGART, A.A., otv.red.;
AL'PEROVICH, A.G., red.; BORISOV, S.G., red.; BRISKIN, W.I., red.;
DYBOV, O.V., red.; ZIL'BERBERG, Ya.G., red.; LOZAR', A.S., red;
HUNEV, I.S., red.; NAGAYKV, P.V., red.; PEVZNER, Ya.M., red.;
PRYADILOV, V.I., red.; RAMAYYA, K.S., red.; SAMOL', G.I., red.;
SEDOVA, Ye.V., red.; TAMRUCHI, O.V., red.; KHANIN, N.S., red.;
CHAPCHAYEV, A.A., red.; CHISTOZVONOV, S.B., red.; SHKOL'NIKOV,
E.M., red.; YEGORKINA, L.I., red.izd-va; GORDEYEVA, L.P., tekhn.

[Operational analysis of the multiplate friction transformer]
Analiz raboty mnogodiskovykh friktsionnykh transformatorov.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry,
1960. 79 p. [Moscow. Gosudarstvennyi nauchno-issledovatel'skii
avtomobil'nyi i avtomotornyi institut [Trudy], nc.90).

(MIRA 13:8)
(Motor vehicles--Transmission devices)

LYSYKH, T.S., kand.tekhn.nauk; PASHIN, M.A., red.; LIPGART, A.A., red.; AL'-PEROVICH, A.G., red.; BORISOV, S.G., red.; BRISKIN, H.I., red.; DYBOV, O.V., red.; ZIL'BERBERG, Ya.G., red.; LOZAR', A.S., red.; LUMEY, I.S., red.; MACKYEV, P.V., red.; PEVZHER, N.M., red.; PRYADILOV, V.I., red.; RAMAYYA, K.S., red.; SAMOL', G.I., red.; SEDOVA, Ye.V., red.; TAMURCHI, O.V., red.; KHANIN, N.S., red.; CHAPCHAYEV, A.A., red.; CHISTOZVONOV, S.B., red.; SHKOL'NIKOV, E.M., red.; LEZHNIVA, C.V., red.izd-va; SMIRNOVA, G.V., tekhm.red. [Design and investigation of performance of power disk brakes] Issledovanie raboty diskovykh tormozov s usileniem i metod ikh rascheta. Moskva, Gos.nauchno-issledovatel skii avtonobil noi i avtomotornyi institut. Trudy, no.86) (HIRA 12:8) 1. Cosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel skiy avtomobil nyy i avtomotornyy institut. (Automobiles--Brakes)

RUDNITSKIY, N.M., kand. tekhn. nauk; VEDENYAPIN, G.A., otv.red.; KOZIOVSKIY, I.S., kand.tekhn.nauk, red.; ZIL BENDERG, Ya.G., inzh. tamestitel etv.red. BRILING, N.R., doktor tekhn.nauk, prof., red.; KALISH, G.G., doktor tekhn.nauk, prof., red.; KHRUSHCHEV, M.M.; doktor tekhn.nauk, prof., red.; KHRUSHCHEV, M.M.; doktor tekhn.nauk, prof., red.; RAMAYVA, K.S., doktor tekhn.nauk, red.; LIPGABT, A.A., prof., red.; PHYADILOV, V.I., kand. tekhn.nauk, red.; ROZANOV, V.G., kand. tekhn.nauk, red.; CHISTOZVONOV, S.B., inzh., red.; AVAKIMOV, G.G., red.izd-va; SHIKIN, S.T., tekhn. red.

[Investigating the durability of crankshafts in IAAX diesel engines] Issledovanie vynoslivosti kolenchatykh valov dizelei IaAZ Moskva, Gos. nauchn.-tekhn. izd-vo mashinostroitel noi lit-ry, 1957. 30 p. (Moscow. Gosudarstvennyi nauchno-issledovatel skii avtomobil nyi i avtomotornyi institut [Trudy], no.8a]. (MIRA 11:4)

1. Direktor Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo instituta (for Vedenyapin). 2. Zamestitel' direktora po nauchnoy chasti Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo instituta (for Kozlovskiy). 3. Chlen-korrespondent AN SSSR (for Briling).

(Oranks and crankshafts) (Diesel engine)

TRAKTOVENKO, I.A., kand. tekhn. nauk; VEDENYAPIN, G.A., otv. red.; KOZIOVSKIY, I.S., kand. tekhn. nauk. red.; ZIL'BERBERG, Ya.G., inzh. zamestitel' otv. red.; BHILING, N.R., doktor tekhn. nauk, prof., red.; KALISH, G.G., doktor tekhn. nauk. prof., red.; PEVZHER, Ya.M., doktor tekhn. nauk, prof., red.; KHRUSHCHEV, M.M., doktor tekhn. nauk, prof., red.; RAMAYYA, K.S., doktor tekhn. nauk, red.; LIPGART, A.A., prof., red.; PRYADILOV, V.I., kand. tekhn. nauk, red.; ROZANOV, V.G., kand. tekhn. nauk, red.; CHISTOZVONOV, S.B., inzh., red.; SHIKIN, S.T., tekhn. red.

[Investigating the effect of the cetane number of diesel fuels on the performance of engines] Issledovanie vliianiia tsetanovogo chisla topliva no rabotu dvigatelia, Moskva, Gos. nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry, 1957. 30 p. (Moscow. Gosudar-stvennyi nauchno-issledovatel'skii avtomobil'nyi i avtomotornyi institut. [Trudy], no.83). (MIRA 10:12)

1. Direktor Gosudarstvennogo soyusnogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo instituta (for Vedenyapin). 2. Zamestitel' direktora po nauchnoy rabote Gosudarstvennogo soyusnogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo instituta (for Kozlovskiy). 3. Chlen-korrespondent AN SSSR (for Briling). (Diesel fuel) (Diesel engine)

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ZIL BELDERO, M. G.

RUDNITSKIY, N.M., kandidat tekhnicheskikh nauk; OSIPYAN, A.Y., kandidat tekhnicheskikh nauk, redaktor; KOZIOVSKIY, I.S., kandidat tekhnicheskikh nauk, redaktor; KOZIOVSKIY, I.S., kandidat tekhnicheskikh nauk, redaktor; Ya.G., inzhener, redaktor; BRILING, N.R., doktor tekhnicheskikh nauk, professor, redaktor; PEVZNER, Ya.M., doktor tekhnicheskikh nauk, professor, redaktor; KRUSHCHEV, M.M., doktor tekhnicheskikh nauk, professor, redaktor; RAMAYYA, K.S., doktor tekhnicheskikh nauk, redaktor; LIPGART, A.A., professor, redaktor; PRYADIIOV, V.I., kandidat tekhnicheskikh nauk, redaktor; CHISTOZVOWOV, S.B., inzhener; BROKSH, V.V., inzhener, redaktor; BAUMAN, I.M., redaktor; UVAROVA, A.F., tekhnicheskiy redaktor.

[Endurance of materials for automobile engine sliding friction bearings]
Vynoslivost' materialsv dlia podshipnikov skol'sheniia automobil'nykh
dvigatelei.(Moscow.Gosudarstvennvi nauchno-issledovatel'skii i avtomobil'nyi institut.[Trudy], no.76) 1955 54 p. (HIRA 9:4)

1.Direktor Nauchno-issledovatel'skogo avtomotornogo instituta (for Osipyan).2.Chlen-korrespondent AN SSSR (for Briling). (Bearings (Machinery)) (Automobiles-Engines)

ZIL'BERBERG, YA, G.

CHAPKEVICH, V.A., kandidat tekhnicheskikh nauk; OSIPYAN, A.V., kandidat yekhnicheskikh nauk, redaktor; KOZLOVSKIYI.S., kandidat tekhnicheskikh nauk, redaktor; ZIL BERBERD, YA.G., inshener; redaktor; BRILING, N.R., professor, doktor tekhnicheskikh nauk, redaktor; PEVZNER, YA.M. professor, doktor tekhnicheskikh nauk, redaktor; PEVZNER, YA.M. professor, doktor tekhnicheskikh nauk, redaktor; KHRUSHCHOV. M.M., doktor tekhnicheskikh nauk, professor, redaktor; RAMAYYA, K.S., doktor tekhnicheskikh nauk, redaktor; LIPGART, A., professor, redaktor; PRYADILOV, V.I., kandidat tekhnicheskikh nauk, redaktor; CHISTOZVONOV, S.B., inzhener, redaktor; UVAROVA, A.F., tekhnicheskiy redaktor.

[Investigation of the operation of the IaAZ engine] Issledovanie rabochego protsessa dvigatelia IaAZ. Moskva, Gos.nauchno-tekhn. izd-vo mashino-stroit.lit-ry, 1956. 41 p. (Moscov. Gosudarstvem-nyi nauchno-issledovatel'skii avtomobil'nyi i avtomotornyi institut. [Trudy], no.79)

1. Direktor Nauchno-issledovatel'skogo avtomobil'nogo insituta(for Osipyan) 2. Zamestitel direktera Nauchno-issledovatel'skogo avtomobil'nogo instituta po nauchnoy rabote (for Koslovskiy) 3. Chlen-korrespondent AN SSSR (for Briling).

(Automobiles-Engines)

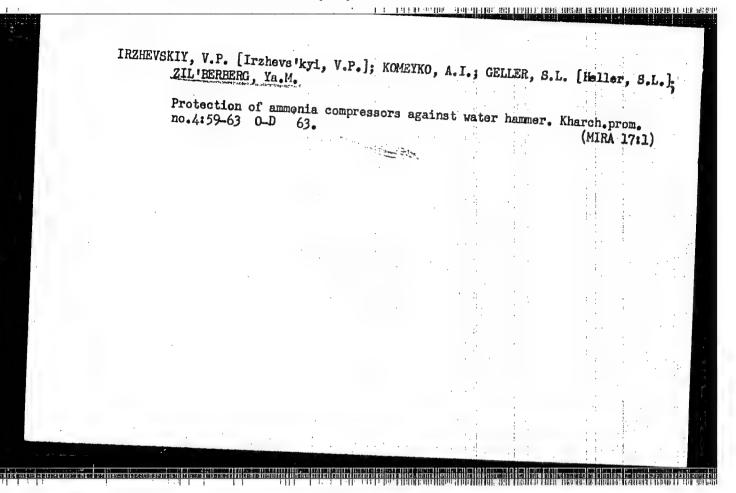
SHKOL'NIKOV, E.M., kand.tekhn.nauk; LEVITAN, M.M., insh.; OSIPYAN, A.V., kand.tekhn.nauk, red.; KOZLOVSKIY, I.S., kand.tekhn.nauk, zamestitel' otvetstvennogo red.; BRILING, M.R., doktor tekhn.nauk, prof., red.; KALISH, G.G., doktor tekhn.nauk, prof.; LIPGART, A.A., prof., red.; PEVZNER, Ya.M., doktor tekhn.nauk, prof., red.; PRYADILOV, V.I., kand. tekhn.nauk, red.; ROZANOV, V.G., kand.tekhn.nauk, red.; KRUSHCHEV, M.M., ZIL/BERBERG, Ya.G., insh., red.; CHISTOZVONOV, S.B., insh., red.; UVAROVA, A.F., tekhn.red.

[Using chromium-silicon alloys in manufacturing automobile engine sleeves] Khromokremnistyi splav dlia gil'z avtomobil'nykh dvigatelei. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 78 p. (Moscow. Gosudarstvennyi nauchno-issledovatel'skii avtomobil'nyi i avtomotornyi institut. Trudy no.81)

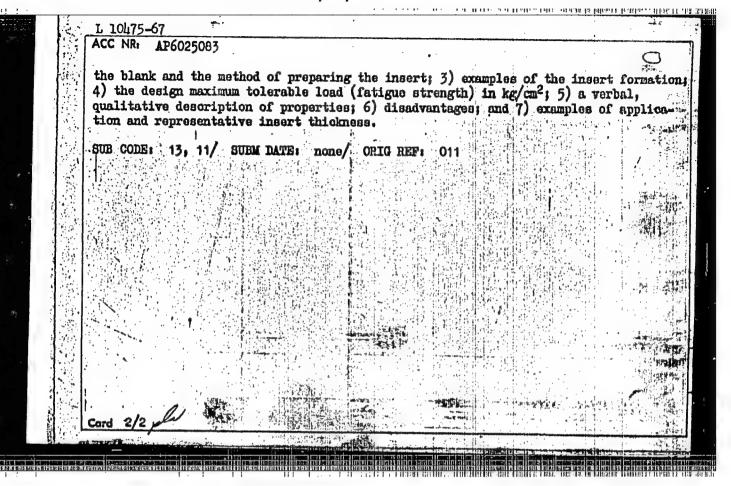
1. Direktor Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo instituta (for Osipyan). 2. Zamestitel' direktora Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo instituta (for Koslovskiy). 3. Chlenkorrespondent AN SSSR (for Briling).

(Chromium-silicon alloys) (Automobiles--Engines--Cylinders)

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R002065120011-3"



10475-67 EWT(m) ACC NR: AP6025083 SOURCE CODE: UR/0122/66/000/007/0027/003 (A)AUTHOR: Zil'berg, Yu. Ya. (Candidate of technical sciences) ORG: none TITLE: A test of the use of aluminum alloys in bearings of tractor diesels SOURCE: Vestnik mashinostroyeniya, no. 7, 1966, 27-31 TOPIC TAGS: aluminum alloy, aluminum containing alloy, antifriction bearing, bearing ABSTRACT: The transition in the Soviet tractor industry from gasoline angines to diesel engines has prompted the need for research into possible metals and alloys to be used in bearings. \ Likely substitutes for bronze bearings have been aluminum-based alloys, whose properties can vary in a relatively wide range because of the introduction of proportionately small quantities of other elements. Many advantages of aluminum-based alloys for this use are cited, including high fatigue strength, good corrosion resistance, favorable thermal properties, high resistance to wear, etc. A brief history of the development of the use of aluminum in heavy-duty bearings is given. The work of M. M. Khrushchov is cited as being very prominent in the field. A comprehensive summary of the application of antifrictional alloys in crankshaft bearings for diesel tractor engines is given as well as a large tabulation showing the cross reference among: 1) the antifriction material used; 2) the method of preparing Card 1/2 UDC 621.822.5:669.715



YETS, A.G.; BUDKEVICH, G.A.; ZIL'BERBORD, B.Sh.; BORSHCHEVSKAYA, V.A

Potential local anesthesia in thyrotoxic goiter surgery. Sov. med.
28 no.4:45-48 Ap '64. (MIRA 17:12)

1. Klinika obshchey khirurgii (zav. - dotsent G.A. Dudkevich)
Yaroslavskogo meditsinskogo instituta.

र व अवसर ्यत्र <u>स्थान हो एक स्थल स्थाप विशेष अन्य विशेष</u> हो ।

ZIL'BERBRANDT

AUTHORS: Zil'berbrandt, O.I., Kazakov, Ye. I., Kasatochkin, V.I. and Tyazhelova, A.A. (Moscow).

TITLE: Investigation of the composition and of the properties

of bitumen from shale tars of the Volga area. (Issledovaniye sostava i svoystv bituma iz degtey

privolzhskikh slantsev).

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, No.2, pp. 155-158 (USSR).

ABSTRACT: The results are described of investigation of bitumen obtained by oxidation of heavy fractions of semi-coking tars of Kashiria shale under works conditions. The residual tar fraction, boiling at 320°C, was subjected to oxidation in air at 170 to 180°C. Depending on the duration of the oxidation, various bitumen grades were obtained, the characteristics of which are entered in Table 1, p.156. It is concluded that with increasing duration of the oxidation of the original raw materials an accumulation takes place of hydrogenated and of the condensed asphaltene structures; the quantity is reduced of oils which, in the given case, become more saturated,

compensating approximately the constancy of the relative Card 1/2 contents of carbon and of hydrogen.

Investigation of the composition and of the properties of bitumen from shale tars of the Volga area.

There are 3 figures, 2 tables and 15 references - 9 Russian, 6 English.

SUBMITTED: November 9, 1956.

AVAILABLE: Library of Congress.

Card 2/2

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065120011-3

Remarks on S.G. Zislin's and S.N. Inosentsey's article "Standards the system of drafting organization do not meet the requirements

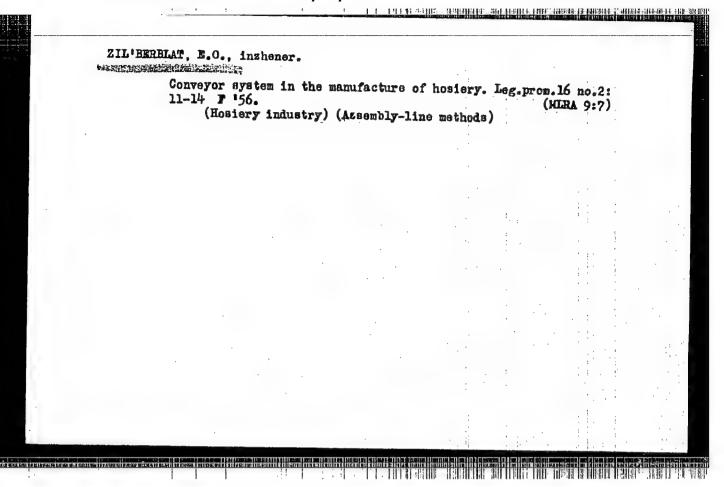
of the automobile industry." Standartizatelia no.5:66-68 S-0'54. (Automobile engineering—Standards) (MIRA 8:2)

2H. BENELAT, E. I. Hablyudeniya nad primenoniyan serdechnogo glyukozidafolinerina. Vrackeb. Delo, 1949, No. 8, STB. 731-36.

S0: Letopis, No. 32, 1949.

ZIL'BERBLAT, E.O., inzhener; ZOLOTAREVSKIY, M.M., insheper.

Mechanizing the handling of material in shops of the Kharkov hosiery plant. Leg.prom.16 no.12:14-17 D '56. (MLRA 10:2) (Hosiery industry) (Conveying machinery)



ZIL'BERBLAT, G.S.; GOLOVANOV, N.N.

Regulation and control of measured small-volume aeration of Protozoa cultures by means of automatic electronic devices.

Lab. delo no.10:633-638 '64. (MIRA 17:12)

1. Laboratoriya protivorakhovykh preparatov (zaveduvushchiy -- chlen-korrespondent AMN SSSR prof. N.G. Klyuyeva) Gosudarstvennogo ob"yedineniye "Tekhproyekt".

PARIZH, B.M.; ZIL'BERBLAT, G.S.

Concentration of Trypanosoma by the method of centrifugation in separators. Lab. delo 8 no.3:38-41 Mr '62. (MIRA 15:5)

1. Laboratoriya protivorakovykh preparatov (zav. - chlen-korrespondent AMN SSSR prof. N.G.Klyuyava) Gosudarstvennogo kontrol'nogo instituta meditsinskikh biologicheskikh preparatov imeni L.A.Tarasevicha. (PROTOZOA, PATHOGENIC) (CENTRIFUGATION)

ZIL'BERRLAT, G.S. (Moskva); KASHIK, S.A. (Irkutsk); DEMBERELIYN DASHZEVEG;
BOGDANOV, O.P.; BOGACHEV, V.V., prof. (Baku); ROZENGURT, M.Sh. (Odess);
LYUBIMOV, O. (Ostrov Vize); GIA DILIN, K.L.

News, events, facts. Priroda 51 no.8:113-122 Ag '62.

1. Mongol'skiy gosudarstvennyy universitet, Ulan-Bator (for Demberellyn Dashzeveg). 2. Institut zoologii i parazitologii
AN UZSSR, Tashkent (for Bogdanov). 3. Institut biokhimii im. A.N.

(Science news)

ERUK, Aleksandr Davidovich. Prinimal uchastiye ZIL'BERBLAT, M.E., inzh.; NEVEL'SON, M.I., kand. tekhm. nauk, red.

[Draft and blast machines in metallurgy] Tiagodut'evye ustanovki v metallurgii. Moskva, Metallurgiia, 1965. 179 p.

(MIRA 18:3)

ZIL'BERBLAT, M.E.; OREL, O.A.

Efficiency of the improved control system for the main drive of a roughing mill. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.itekh.inform. 17 no.7:5-8 Jl 64. (MIRA 17:10)

ZIL'BERBLAT, YA. B

On 4 October 1946, at the Power Engineering Institute imeni Molotov, defended his dissertation on "Wide-Dispersion Mirror Illumination for Lighting Streets and Squares." Official opponents - Doctor of Technical Sciences Professor V. V. Mashkov, and Candidate of Technical Sciences G. I. Dluzhnevskiy.

So: Elektrichestvo, No 4, April 1947, pp 90-94 (U-5577, 18 February 1954)

An analytical method was presented for calculating the shapes of symmetric, nonsymmetric, and compound reflectors. Methods were given for calculating the diffusion of light strength of mirror illuminators and of the illumination created by nonsymmetrical illuminating instruments. Designs were submitted of equipment for investigating the characteristics of mirror illuminators, the diffusing properties of protective glass, the level of brilliancy, and the distribution of temperature in illuminating devices of various types. The results were given of a check of the operation of illuminating devices on the streets of Moscow, and a comparative economic evaluation was given of equipment with mirror illumination and that supplying direct and diffused light.

So: IBID

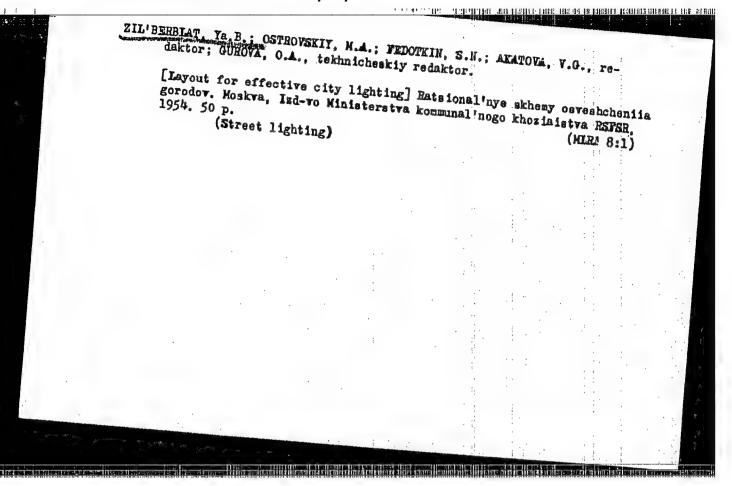
ILBERBLAT, Yd.	B. PA 15/49 T38
	Ussa/sizetricity Lighting, Outdoor Street Lighting
	"Condition and Perspective of the Development of Municipal Outdoor Lighting," Ye. B. Zillberblat, Cand. Tech Sci, Acad Public Economy imeni Pamfilov, 6 pp
	"Elektrichestvo" No 8
	Proposes measures for improvement of street lighting. Increasing urban transport and translous number of pedestrians reveal need.
	15/49238

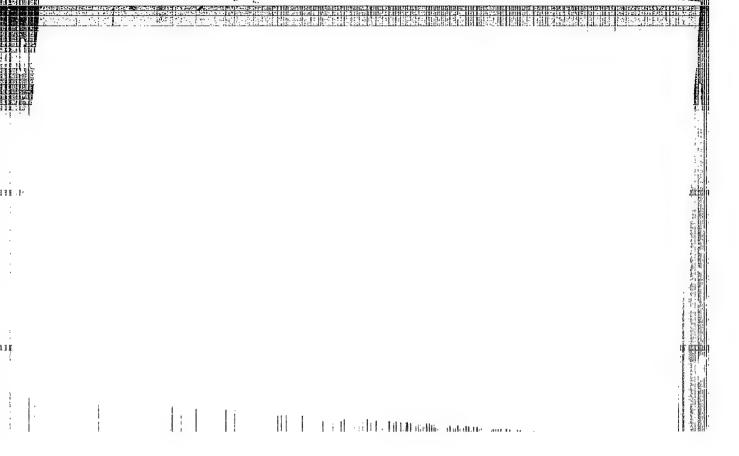
Zil'BERBLAT, YA, B.

35292. Prizmaticheskiy svetic'nik dlya osveshcheniya ulits. Nauch.
Trudy (Akad. Kommunal Khoz-ea Im. pamfilova). Vup 4-5, 1949
S. 68-73

SO: Letopis' Zhurnal'nykh Statey, Vol. 34, 1949 Moskva

ZIL'BERBLAT,	YA.B.	USER/Engineering - Luminescence, Application (Contd) Mar 51	Sapts with photoluminescent mercury lamps showed that, being thermally insulated, they may be effectively used under low-temp conditions. Max emission of 30-y lamps with heat-insulation jackets is reached at -120. Dependable lighting with low temp	USSR/Engineering - Luminescence, Mar 51. Application Application "Using Luminescent Lamps at Low Temperatures," Ye- B. Zil berblat, Acad of Communal Econ imeni K. D. Pamfilov





2IL'BERBLAT, Ya.B., kandidat tekhnicheskikh namk,

Operating conditions for 80-watt fluorescent lamps in outdoor applications. Svetotekhnika 2 no.5:11-14 S '56.

1. Akademiya kommunal'nogo khosyaystva SSSR.

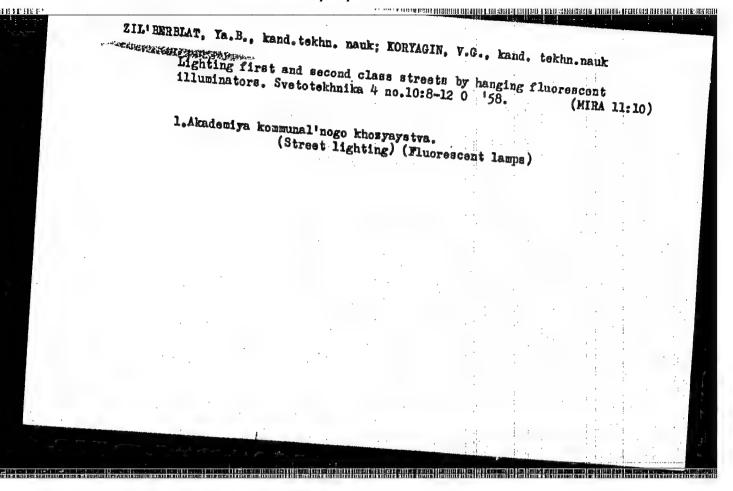
(Fluorescent lamps)

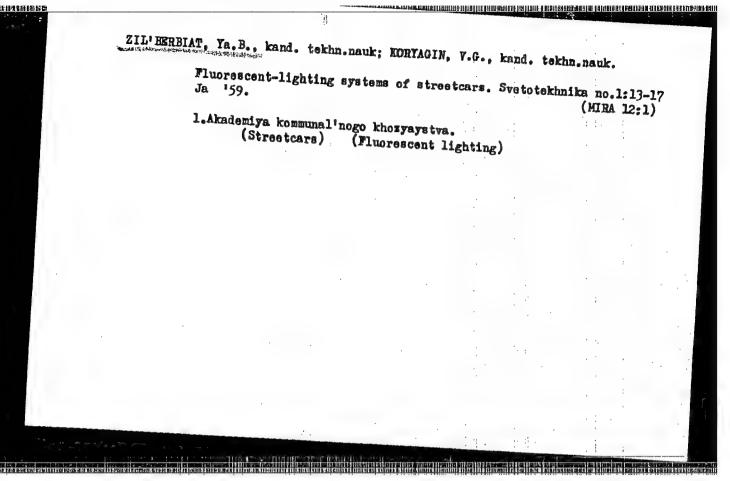
ZIL BERRIAT YA.B., kandidat tekhnicheskikh neuk; KONYADIR, V.Q., kandidat tekhnicheskikh nauk.

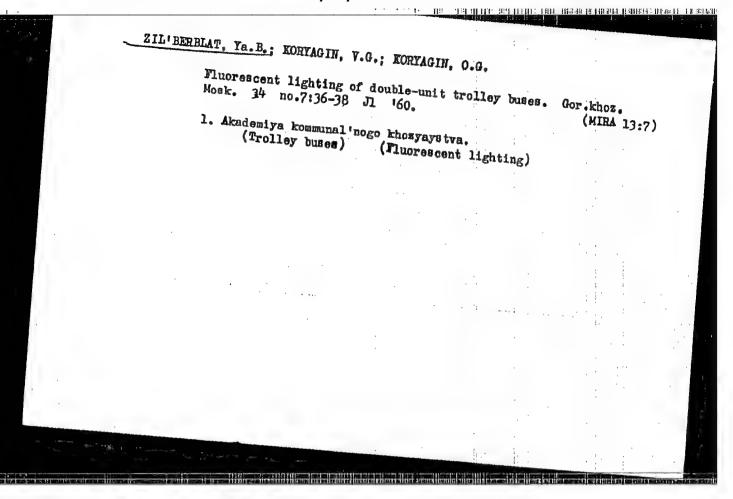
Experience using fluorescent lapps for municipal atreet lighting.

Svetotekhnika 3 no.9:1-6 S '57. (MIRA 10:9)

1. Akademiya kommunal nogo khoryayatva. (Street lighting)





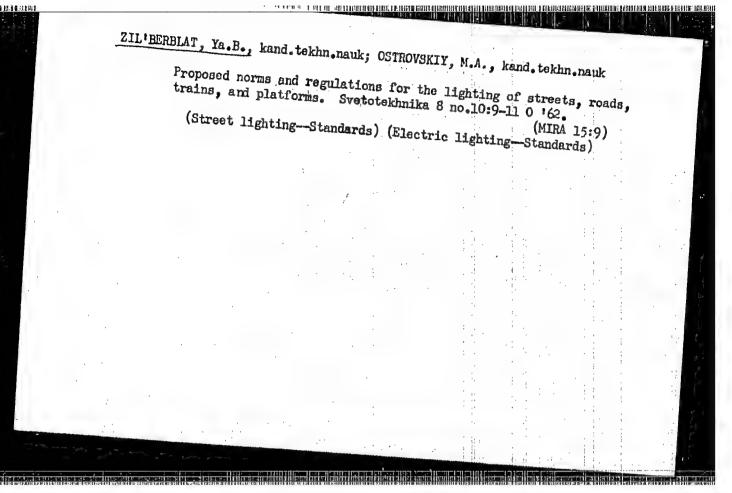


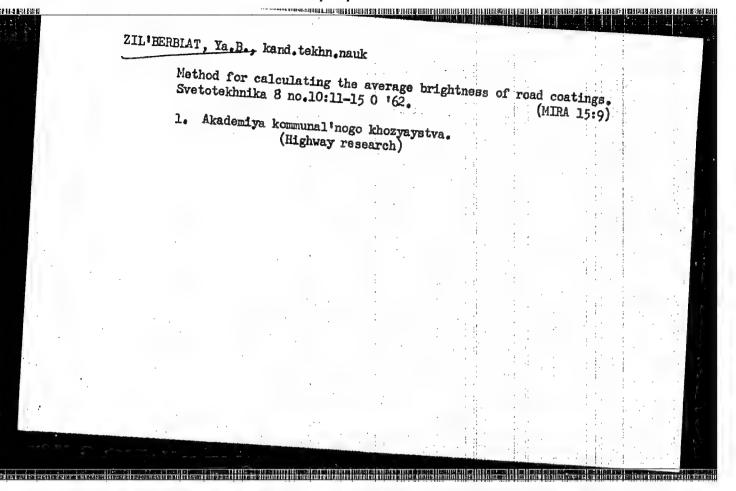
ZIL'RERBLAT, Ya.B., kand.tekhn.nauk; OSTROVSKIY, M.A., kand.tekhn.nauk

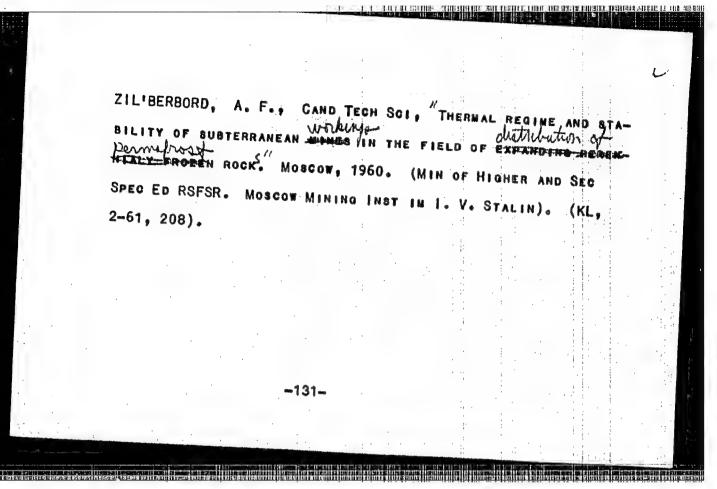
Norms on street lighting. Svetotekhnika 8 no.10:4-8 0 '62.

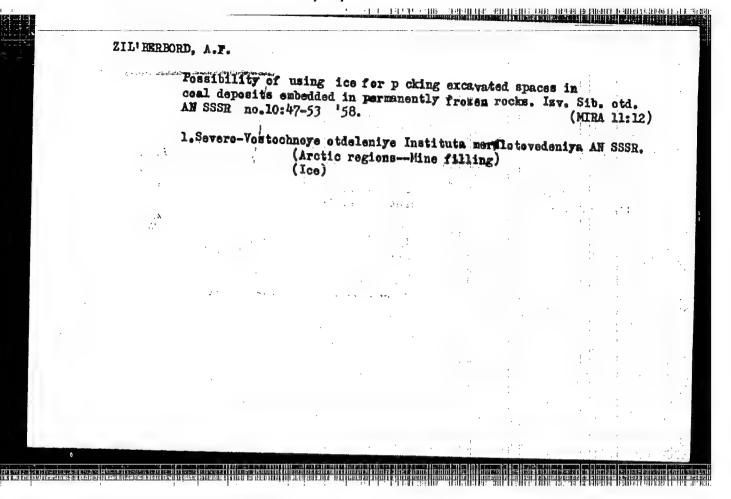
1. Akademiya kommunal'nogo khozyaystva i Vsesoyuznyy svetotekhni
(Street lighting---Standards)

(Street lighting---Standards)









KOZHEVNIKOV, N.A., inzh.; VOYTKOVSKIY, K.F., kand. tekhn. nauk; ZIL'HERBORD, A.F., gornyy inzh.; SKUMOV, A.I., gornyy inzh.

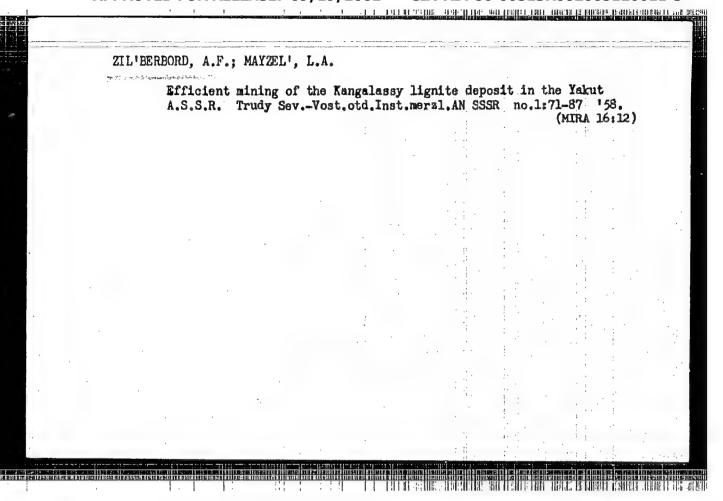
"Principles of mining engineering in conditions of permafrost"

by V.P.Bakakin. Reviewed by N.A.Kozhevnikov and others. Gor. zhur. no.2:78-79 F 59. (MIRA 12:2)

1. Severo-Vostochnoye otdeleniye Instituta merzlotovedeniya AN SSSR, Yakutak.

(Mining engineering) (Frozen ground)

(Bakaitle, V. ?.)



DYAD'KIN, Yu.D., kand. tekhn. nauk, otv. red.; ZIL'EERBORD, A.F., kand. tekhn. nauk, otv. red.

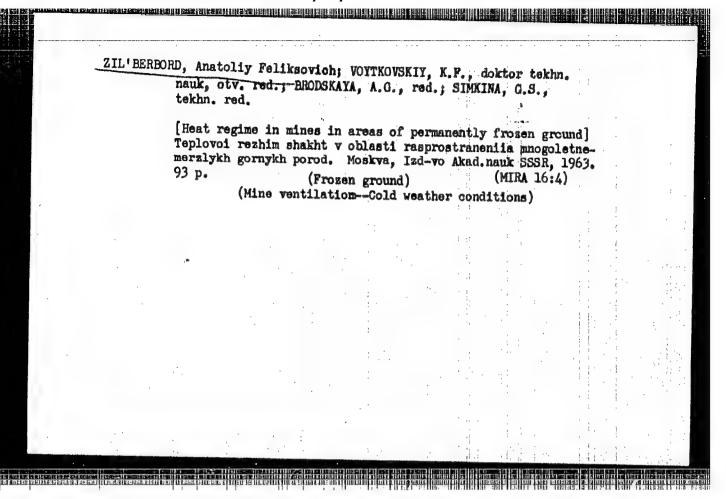
[Thermal and mechanical processes in mining minerals; mining operations in a massif of frozen ground] Teplovye i mekhanicheskie protsessy pri razrabotke polesnykh iskopaemykh; gornye raboty v massive merzlykh porod. Moskva, Nauka, 1965. 266 p. (MIRA 18:5)

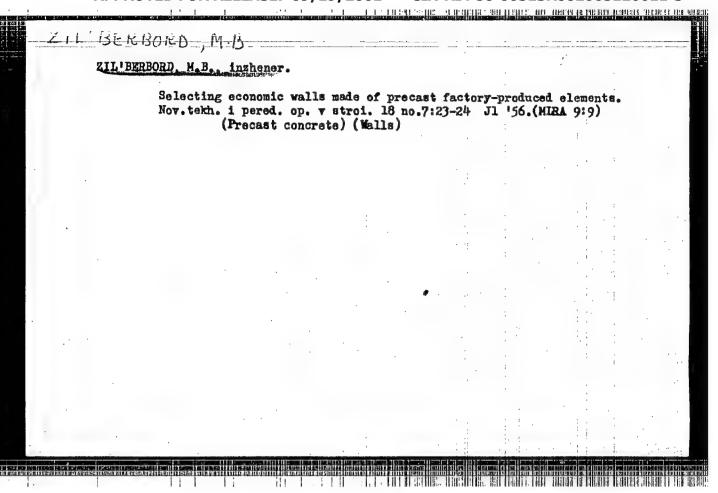
1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut merzlotovedeniya. 2. Institut merzlotovedeniya Sibirskogo otdeleniya AN SSSR (for Zil'berbord). 3. Leningradskiy gornyy institut (for Dyad'kin).

ZIL'BERBORD, A.F.; GRAVIS, G.F.

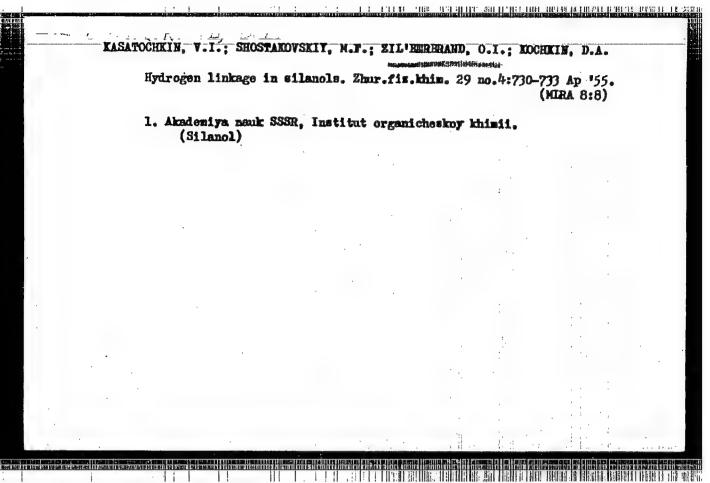
Intensity of deformations in mine workings depending upon conditions of accumulation and freezing of quaternary deposits. Fiz.-tekh. probl. razrab. pol. iskop. no.1:20-24 165.

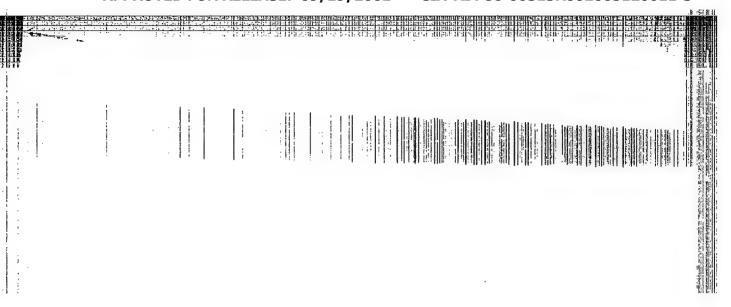
1. Institut gornogo dela im. A.A. Skochinskogo, Moskva. (MIRA 18:10)





-	EFREREN, C. I.			
USSR/Chemis	stry - Physical chemistry			
Card 1/1	Pub. 43 - 50/62			
Authors	Batochkin, V. I.; Shostakovskiy, M. F.; Zillberbrand, O. I.; and			
Title	Kochkin, D. A. About hydrogen bonds in silenols			
Periodical	Izv. AN SSSR. Ser. fiz. 18/6, 726-728, Nov-Dec 1954			
Abstract	The infrared absorption spectra of trimethyloarbinol and five different silanols: (CH ₂) SiOH, (CH ₂) C ₂ H ₂ SiOH, CH ₂ (C ₂ H ₂)SiOH ₃ (C ₂ H ₂) SiOH and C ₂ F ₁ C ₂			
Institution	n : Acad. of Sc., USSR, Institute of Combustible Minerals			
Submitted	1 ********			





ZIL'BERBRAND, O. I., Cand Chem Sci (diss) -- "Spectral investigation of solid mineral fuels". Moscow, 1960. 15 pp (Acad Sci USSR, Inst of Mineral Fuels), 150 copies (KL, No 11, 1960, 129)

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	Infrared Absorption Spectra of Organia Messages	257		
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and the second	Use of infra of kerogen	Use of infrared spectroscopy in studying the chemical structure of kerogen in shale. Fiz. sbor. no.3:257-261 57. (MIRA 11:8)					
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20-119-4-44/60

AND ALCOHOLD RESIDENCE AND LINES CHARLES IN AN EXHIBIT RESIDES

· AUTHORS:

Kasatochkin, V. I., Kononova, M. M., Zil'berbrand, Q. I.

TITLE:

Infra-Red Absorption Spectra of Humus Substances of the Soil (Infrakrasnyye spektry pogloshcheniya gumusovykh

veshchestv pochvy)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 4,

pp 785 - 788 (USSR)

ABSTRACT:

The humus substances are the most characteristic compounds of the organic part of the soil. They were often investigated. Since, however, many problems connected with them are complicated and the nature of the substances varies according to the conditions of the soil formation, a number of problems concerning their nature and structure is not explained. In the present paper results are given of a comparative investigation of the structure of the humic and "fulvic" acids, as in the title, and by means of radiographic method. As samples. served: common black soil and lawn bleaching earth, both

Card 1/3

different to a great extent from each other. The method of

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e na seria procesa i presidente de la procesa de la compansa de la procesa de la procesa de la procesa de la co En la compansa de la procesa de la procesa de la compansa del la compansa de la compansa del la compansa de la compansa del la compansa de la compansa del la compa

. Infra -Red Absorption Spectra of Humus Substances of the Soil

isolation of the human substances was already described (Reference 1). Table 1 gives the elementary composition of the humus substances. These data show a higher degree of carbon enrichment in humic acids from black soil compared to those from the lawn "bloaching" earth and especially with the fulvic acids. Figure 1 shows schematically the interference. bands on radiographs as rectangles the altitude of which corresponds to the relative intensity, and their width to the half width of the bands. The carbon skeleton of the mulecules of the humis and "fulvio" acids is characterized by the existence of an aromatic carbon atomic net (nuclear part) and of lateral groups (peripheric part) of monaromatic nature, the latter contain carbon, sulfur, nitrogen, and other elements. In the molecules of humic acids the nuclear part is, in comparison with "fulvio" acids, better marked. This corresponds to a higher carbon percentage which is organized into carbon lattices. In himic acid from lawn bleaching earth the net is marked to a smaller extent than in the case of black soil. The existence of the peripheric

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20-119-4-44/60

Infra-Red Absorption Spectra of Humus Substances of the Soil

part which is marked to a smaller extent is characteristic of "fulvic" acid molecules. The obtained results prove uniform structure principles of humic-and "fulvic"acids from common black soil as well as from the lawn bleaching earth. However, besides the relation between the nuclear-and the peripheric part of the molecular structure, also the structure of the lateral groups in humic-and "fulvic"acids varies. There are 2 figures, 1 table and 3 Soviet references.

ASSOCIATION:

Pochvennyy institut im. V. V. Dokuchayeva Akademii nauk SSSR

(Soil Institute imeni V. V. Dokuchayev AS USSR)

PRESENTED:

October 4, 1957, by I. V. Tyurin, Member, Academy of

Sciences, USSR

SUBMITTED:

September 28, 1957

Card 3/3

KASATOCHKINA, V.I.; KONONOVA, M.M.; ZIL'EEERBAND, O.I.

Infrared absorption spectra of humas in the soil. Dokl. AN SSSR
119 no.4:785-788 Ap '58. (MIRA 11:6)

1. Pochvennyy institut im. V.V. Dokuchayeva AN SSSR, Predstavleno akademikom I.W. Tyurinym. (Humas—Spectra)

ZIL BERBRAND, C. I

· USSR / Physical Chemistry. Crystals.

B-5

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 25998

Author

: V.I. Kasatochkin, O.I. Zil'berbrand

Title

: Roentgenography and Infrared Spectroscopy in Application to

Study of Structure of Humus Substances.

Orig Pub : Pochvovedeniye, 1956, No 5, 80 - 85

Abstract : The curves of absorption in the infrared spectrum range in wave length intervals of 2.8 to 3.9, 5.7 to 6.8 and 7.8 to 11.3m are given for humic acids of black earth and strongly podzol soil, fulvoacids from the same soils, and humic acids from the culture of Aspergillus Niger. The Tollowing bonds were detected: O_H and C_H in aromatic groups (C_H bonds were absent in fulvo-acids of strongly podzol soil), C.H in CH groups, a weak intensity band of C.H in CH3 groups, C.O in carboxyl groups, and conjugate double bonds C-C. The intensity ratio of the bands C=O and C=C is characteristic of various samples.

Card

: 1/2

USSR / Physical Chemistry. Crystals.

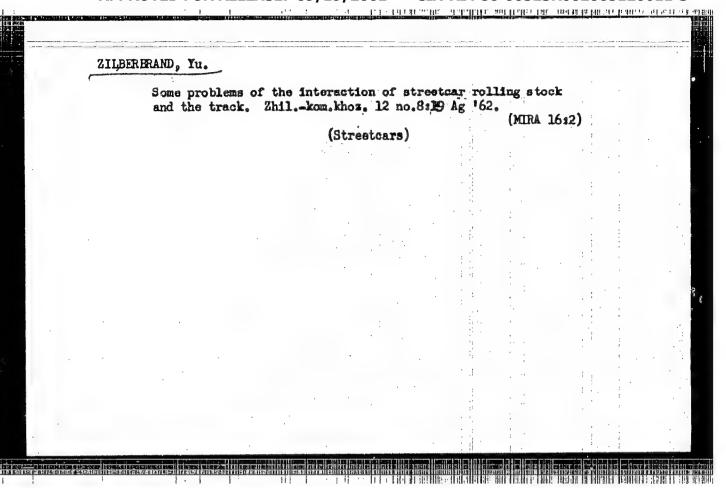
B-5

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 25998

Abstract : There is in the spectra of humic acids of the strongly podzol soil and of both the samples of fulvoacids a band of 6.6% referred to aromatic groups with lateral alifatic substitutes. In the cases of humic acids from Aspergillus Niger, a band of 8.9% is observed; this band is characteristic of oxygen containing aromatic compounds, in which the O atom is directly connected with the C atom of the aromatic nucleus (Breger J.A., Fuel, 1951, 30, 204 - 208). These results do not contradict the known data of x-ray studies of the molecular structure of humic acids and similar carbonized substances.

Card

: 2/2



S/076/63/037/003/016/020 B101/B215

AUTHORS:

Bass, S. I., Zil'berbrandt, A. M., Berlin, A. A.

TITLE:

Study of the mechanism for the inhibiting action of compounds containing a system of conjugate bonds on thermal oxidation of low-molecular and polymer hydrocarbons. I. Inhibiting action of acenes on the oxidation of paraffin hydrocarbons

PERIODICAL:: Zhurnal fizicheskoy khimii, v. 37, no. 3, 1965, 682-685

TEXT: This is a report on the inhibiting action of anthracene, naphthacene, and pentacene on the oxidation of cetane and ceresin at 160 and 200°C. The following data are given for the adsorption rate of oxygen in the presence of 8 mmoles/kg of acene in % of the adsorption rate without inhibitor: naphthacene 90 at 160°C, 55 at 200°C, pentacene 65 at 160°C, 78 at 200°C. At 160°C the length of the induction period is affected in the sequence anthracene (naphthacene (pentacene. These results are explained on the basis of energy changes in singlet-triplet transitions. Oxidation is accompanied by the formation of quinones which can be proved

Study of the mechanism for the ... S/076/65/037/003/016/020
spectroscopically and which also inhibit oxidation. There are 3 figures

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im.

Technology imeni M. V. Lomonosov)

SUBMITTED: May 26, 1962

Card 2/2

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BASS, S. I.; ZIL'BERBRANDT, A. M.; BERLIN, A. A.

Mechanism of the inhibiting action of compounds with conjugated bond systems in the thermal oxidation of low-molecular and polymeric hydrocarbons. Part 1. Zhur. fiz. khim. 37 no. 3:682-685 Mr '63. (MIRA 17:5)

1. Mc. kovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomoi osova.

ZIL'BERBRANDT, O.I.; KAZAKOV, Ye.I.; KASATOCHKIN, V.I.; TYAZHELOVA, A.A.

(Moskva).

Investigating the composition and properties of bitumen made of tars from Volga Valley shales. Izv. AN SSSR. Otd. tekh. nauk no.27 155-158 F '58.

(Volga Valley--Shale) (Bitumen)

(Volga Valley--Shale) (Bitumen)

LITVINOV, A. P.; ZIL'BERDRUT, V. D. Engrs

The Substitution of stammubus bronze by antifriction alloys

Vest Mash p. 24, Oct. 51

LITVINOV., A. P.; ZIL'BERDRIT. V. D.

Alloys

Replacement of stannous bronze with antifrictional alloys. A. P. Litvinov. V.D. Zil'berdrut. Vest. mash. 31, No. 10, 1951.

Monthly List of Russian Accessions, Library of Congress, September 1952 UNCLASSIFIED.

LITVINOV, A. P. : ZIL'BERDRUT, V. D.

Bronze

Replacement of stannous bronze with antifrictional alloys. A. P. Litvinov. V. D. Zil'berdrut. Vest. mash. 31 No. 10 1951.

Monthly List of Russian Accessions, Library of Congress, Sentember 1952 UNCLASSIFIED

LITVINOV, A. F. : ZIL'BERDRUT, V. D.

BRONZE

Replacement of stannous bronze with antifrictional alloys. A. P. Litvinov. V. D. Zil'berdrut. Vest. mesh. 31 No. 10, 1951.

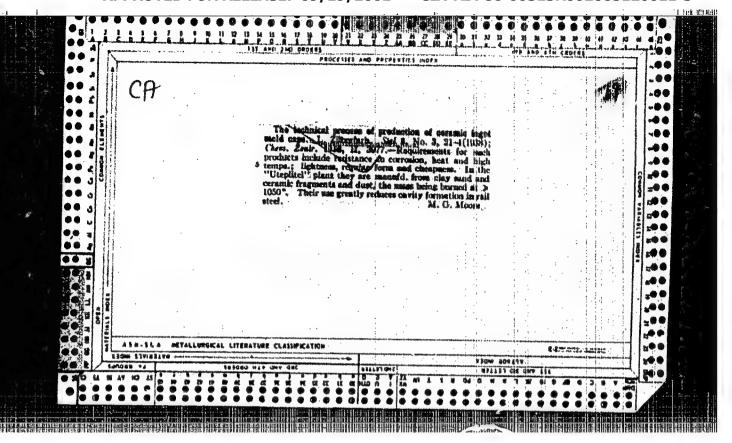
September, Monthly List of Russian Accessions, Library of Congress

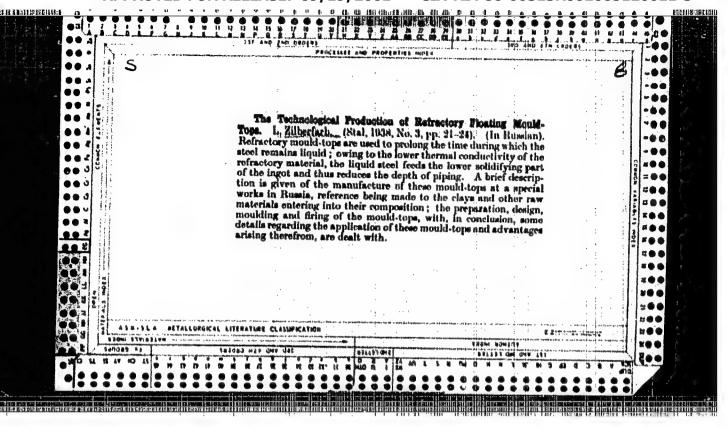
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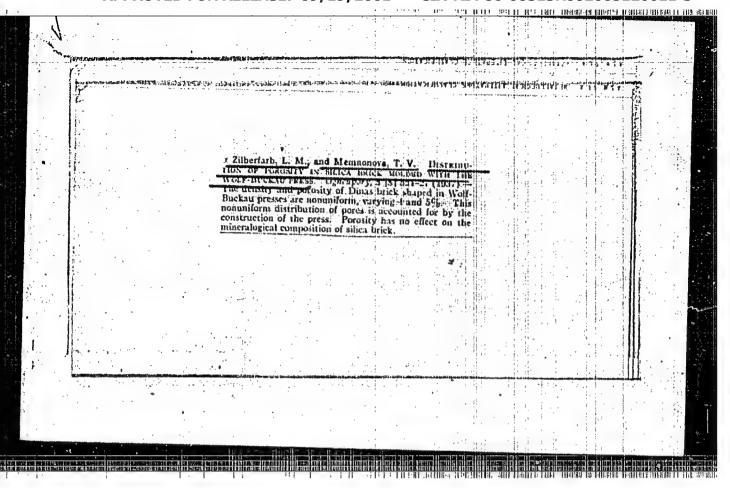
Alloys

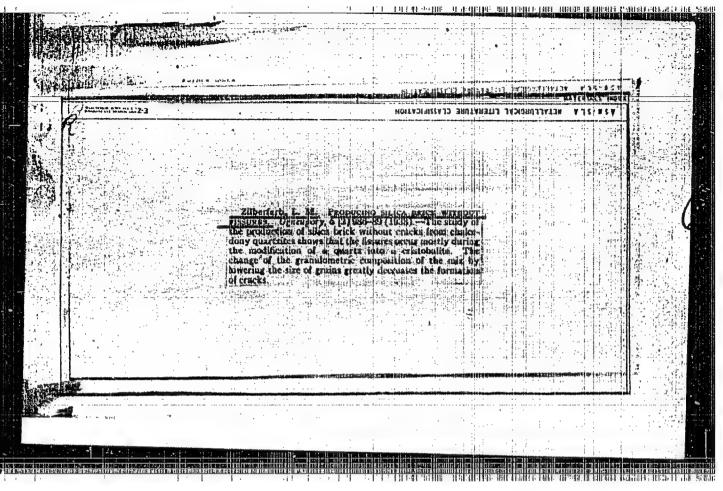
Replacement of stannous bronze with antifrictional alloys. A. F. Litvinov. V. D. Zil'berdrut. Vest. mash. 31, No. 10, 1951.

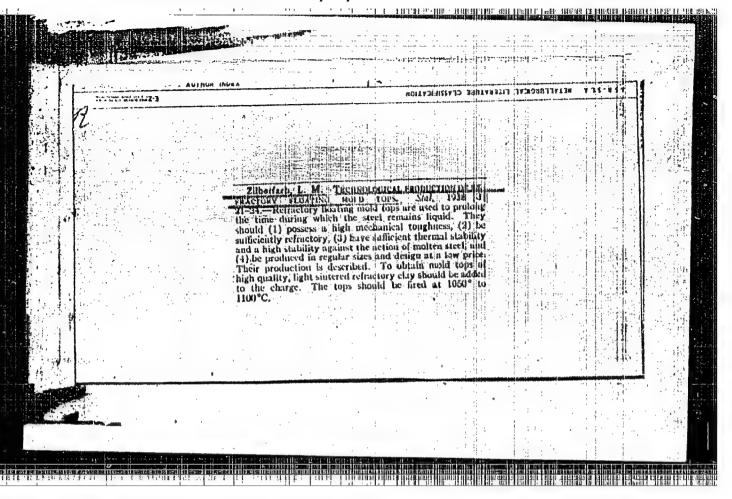
9. Monthly List of Russian Accessions, Library of Congress, September, 1952, Unclassified

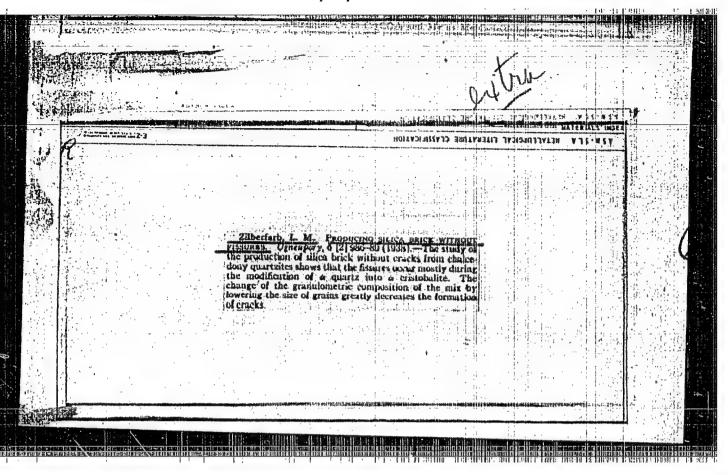




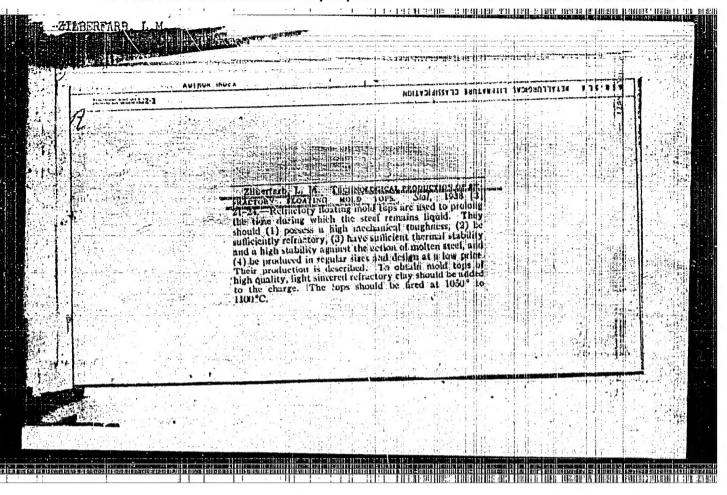


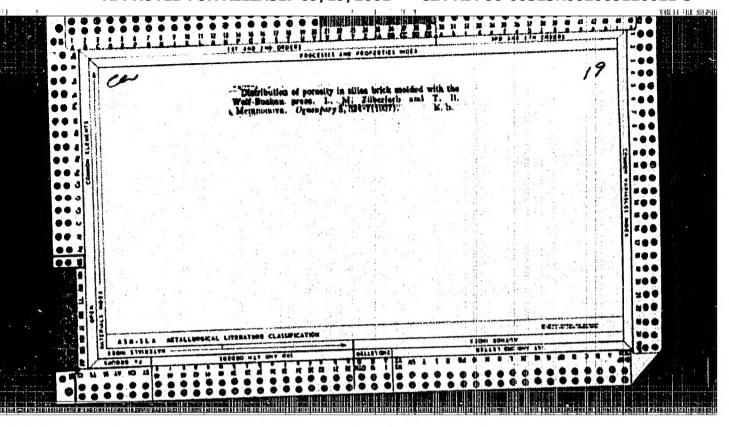


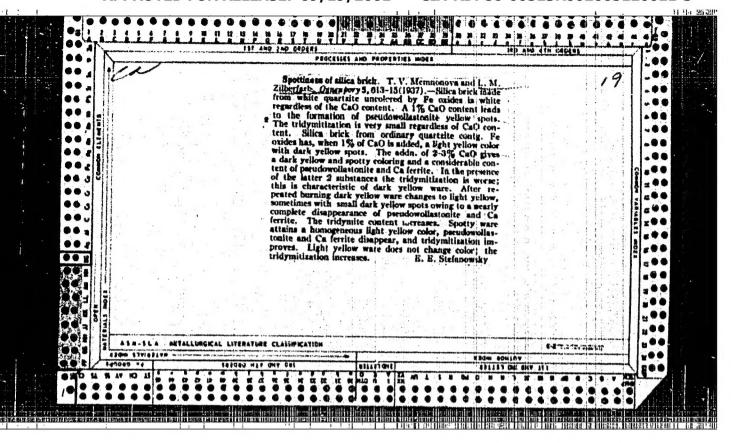




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ZIL'BERDROD, AT. ANDROS, I.P., inzh.; ASSONOV, V.A., kand. tekhn. nauk.; BERNSHTEYN, S.A., inzh.; BOKIY, B.V., prof.; BROVMAN, Ya.V., inzh. BONDARENKO, A.P., inzh.; BUCHHRV, V.K., kand. tekhn. nauk; VKRESKUNOV, G.P., kand. tekhn. nauk; VOLKOV, A.F., inzh.; GELMSKUL, H.N., kand. tekhn. nauk; GORODNICHEY, V.M., inzh.; DEMENT'YEY, A.Ya., inzh.; DOKUCHAYEY, M.M., inzh.; DUBNOV, L.V., kand. tekhn. nauk; MEPIFANTSKV, Ku.K., kand. tekhn, nank, : YERASHKO, I.S., inzh.; ZHEDANOV, S.A., kand, tekhn, nauk; ZIL'BERBROD, A.F., inzh.; ZINCHENKO, M.M., inzh.; ZORI, A.S., inzh.; KAPLAN, L.B., inzh.; KATSAUROV, I.N., dots.; KITAYSKIY, B.V., inzh.; KRAVTSOV, Ye.P., inzh.; KRIVOROG, S.A., inzh.; KRINITSKIY. L.M., kand. tekhn. nayk; LITVIN, A.Z., inzh.; MALEVICH, N.A., kand, tekhn, nauk; MAN'KOVSKIY, G.I., doktor tekhn, nauk; MATKOVSKIY, A.L. inzh.; MINDELI, E.O., kand. tekhn. nauk; NAZAROV, P.P., kand. tekhn. nauk; MASONOV, I.D., kand. tekhn. nauk; NEYYENBURG, V.Te.. kand. tekhn. nauk; POKROVSKIY, G.I., prof., doktor tekhn. nauk; PROYAVKIN, E.T., kand. tekhn. nank; ROZENBAUN, inzh.; ROSSI, B.D. kand, tekhn, nauk; SEMEVSKIY, V.N., doktor tekhn, nauk; SKIRGELLO. O.B., inzh.; SUKEUT, A.A., inzh.; SUKHANOV, A.F., prof., doktor tekhn. nauk; TARANOV, P.Ya., kand. tekhn, nauk; TOKAROVSKIY, D.I., insh.; TRUPAK, N.G., prof., doktor tekhn. nauk; FRDOROV, S.A., prof.,

कत्रात्रम मंत्रक द्वारा । समस्य विकार अस्तान्त्री कि विक्षान्त्र विकासिक सिक्षा

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doktor tekhn. nauk; FEDYUKIN, V.A., insh.; KHCKHLOVKIN, D.M., insh.; KHRABROV, N.I., kand. tekhn. nauk; CHEKAREV, V.A., insh.; CHERNAVKIN, N.N., insh.; SHREYBER, B.P., kand. tekhn. nauk; EPOV, B.A., kand. tekhn. nauk; YAKUSHIN, N.P., kand. tekhn.

YAKHONTOV, A.D., inzh.; POKROVSKIY, N.M., otvetstvennyy red.; KAPIUN, Ya.G. [deceased], red.; MONIN, G.I., red.; SAVITSKIY, V.T.